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Applicant:

Besterman et al.

Filing Date:

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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
/JC/	A1	6,472,406 B1	10/29/2002	Besterman et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation Yes	No
/JC/	A2	WO 2001/002411 A	01/11/2001	PCT				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

/JC/	A3	Xie et al., "Synthesis of a novel antigen containing phosphorus", <i>Chemical Journal of Chinese Universities</i> , 2003, Vol. 24, No. 6, pp. 1037-1039.
/JC/	A4	Maveyraud et al., "Crystal Structure of an Acylation Transition-State analog of the TEM-1.beta.-Lactamase. Mechanistic Implications for Class A.beta.-Lactamases", <i>Biochemistry</i> , 1998, Vol. 37, No. 8, pp. 2622-2628.
/JC/	A5	Li et al., "Structure-activity studies of the inhibition of serine.beta.-lactamases by phosphonate monoesters", <i>Bioorganic & Medicinal Chemistry</i> , 1997, Vol. 5, No. 9, pp. 1783-1788.
/JC/	A6	Chen et al., "Structure of a phosphonate-inhibited.beta.-lactamase. An analog of the tetrahedral transition state/intermediate of.beta.-lactamhydrolysis", <i>Journal of Molecular Biology</i> , 1993, Vol. 234, No. 1, pp. 165-178.
/JC/	A7	Rahil et al., "Characterization of covalently bound enzyme inhibitors as transition-stat analogs by protein stability measurements: Phosphonate monoester inhibitors of.beta.-lactamase", <i>Biochemistry</i> , 1994, Vol. 33, No. 1, pp. 116-125.
/JC/	A8	Rahil et al., "Structure-activity relationships in the inhibition of serine.beta.-lactamases by phosphonic acid derivatives", <i>Biochemical Journal</i> , 1993, Vol. 296, No. 2, pp. 389-393.
/JC/	A9	Rahil et al., "Mechanism of inhibition of the class C.beta.-lactamase of Enterobacter cloacae P99 by phosphonate monoesters", <i>Biochemistry</i> , 1992, Vol. 31, No. 25, pp. 5869-5878.
/JC/	A10	Rahil et al., "Intramolecular participation of the amide group in acid- and base-catalyzed phosphonate monoester hydrolysis", <i>Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry</i> , 1991, No. 7, pp. 947-950.

EXAMINER

/Janet Coppins/

DATE CONSIDERED

08/05/2007

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